NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 6-9-85		
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb		Unit: BDCDGU	
Completion Date: 4-29-81	Total Depth: 2629'	Plug Back TD: 2403'	Elevation: 4520' GL	Farm or Lease Name:	
Csg. Size: 5-1/2" / Wt.: 14# / d: / Set At: 2622		Perforations: From 2085' To 2180'		Well No.: 1835 021J	
Tbg. Size: 2-3/8" / Wt.: 4.7# / d: / Set At: 1924'		Perforations: From To		Unit: J / Sec.: 2 / Twp.: 18 / Rge.: 35	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 1894'		County: Union	
Producing Thru: Tubing	Reservoir Temp. °F: @ 2172'	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.2	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2172'	2172'	1.529	100	0	0		4.0#	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					337				
1.	4.026 x 2.375	276	18	61	288.2	50			24 hr.
2.	4.026 x 2.375	288	13	61	300.2	"			24 hr.
3.	4.026 x 2.375	310	5	60	322.2	"			24 hr.
4.	4.026 x 2.375	328	2	54	340.2	"			24 hr.
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							1734
2.							1493
3.							985
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 0 Deg.
Specific Gravity Separator Gas 1.529 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 1072 P.S.I.A. ____ P.S.I.A.
Critical Temperature 547 R ____ R

P_c 349.2 P_c^2 121.940

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		288.2		38.831
2		300.2		31.821
3		322.2		18.128
4		340.2		6.205
5				

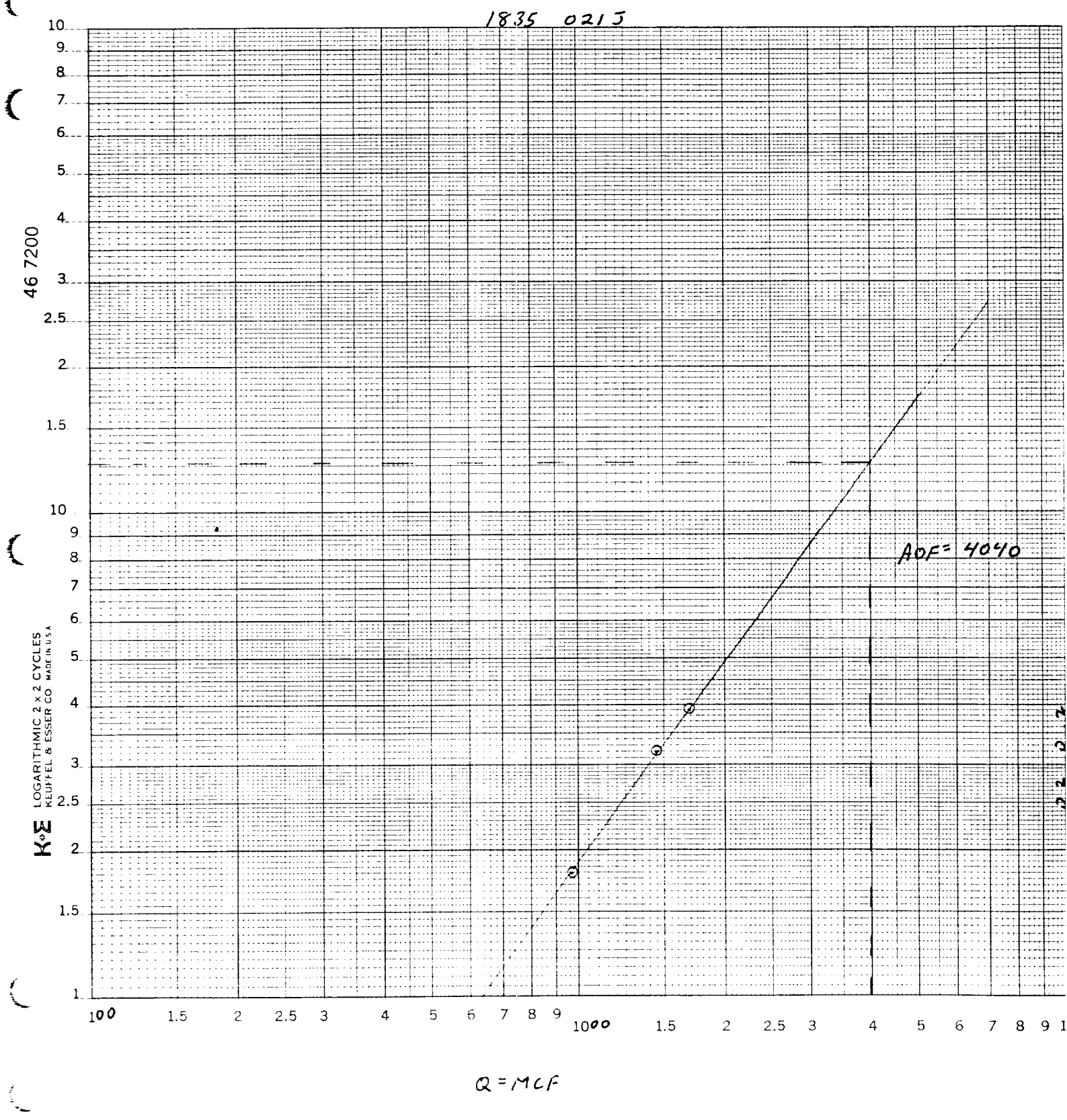
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.136$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.33$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4040$

Absolute Open Flow 4040 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .74

Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:


18.35 021 J
46 7200
KE LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO MADE IN U.S.A.
AOF = 4040
Q = MCF